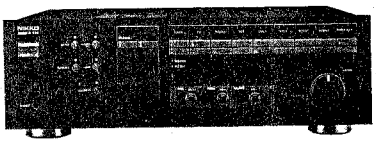
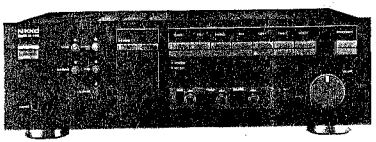
NIKKO AMPLIFIER

IA 600
IA 400

INTEGRATED AMPLIFIER





SERVICE MANUAL

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SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

1. Parts identified by the ⚠ symbol parts are critical for safety. Replace only with same parts number specified.
2. Other parts and assemblies are specified to conform with such regulations as those applying to spurious radiation.
   These must also be replaced only with specified replacements.

   Examples: RF converters, tuner units, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring
   a) Primary leads
   b) Wires covered with PVC tubing
   c) Double insulated wire
4. Use specified insulating materials for hazardous live parts.
   a) Insulation Tape
   b) Insulated Barriers (Spacers)
   c) PVC tubing
   d) Plastic screws for fixing microswitch (Especially in turntable)
   e) Terminal strips
5. When replacing the primary components (transformer, power supply cord switch, by-pass capacitor, etc.), wrap ends of wires securely about the terminals before soldering.

   Where hand soldering is involved, a minimum spacing below between terminals of uninsulated live parts of primary or supply circuitry through air or over surface is to be maintained.

   120V appliance : 3mm spacing min.
   220V and 240V appliance : 6mm spacing min.
6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal resistance, rectifiers, etc.)
7. Check that replaced wires do not contact sharp edges or pointed parts.
8. Do not leave electric conductive parts (screws, droplets, etc.) inside the appliance.

SAFETY RECHECK AFTER SERVICING

Confirm the specified insulation resistance between power plug prongs and externally exposed parts of the appliance is greater than 10Mohms, however, for equipment with external antenna terminals (tuner, receiver, etc.) specified insulation resistance should be more than 2.2Mohms (ground terminals, in-output jacks etc.).

SPECIFICATIONS

Amplifier Section

Rated Power Output
Min. RMS power per channel into 8 ohms from 20Hz to 20kHz at 0.01% T.H.D., both channels driven ..... 120W+120W (IA 600)
Min. RMS power per channel into 8 ohms from 20Hz to 20kHz at 0.009% T.H.D., both channels driven ..... 80W+80W (IA 400)

Both Channels Driven
at 4 ohms, 1kHz, (DIN) ..... 210W+210W (IA 600)
130W+130W (IA 400)

Dynamic Power Output
8 ohms ..... 170W (IA 600)
120W (IA 400)
6 ohms ..... 210W (IA 600)
150W (IA 400)
4 ohms ..... 270W (IA 600)
180W (IA 400)
Dynamic Headroom ..... 1.5dB (IA 600)
1.76 dB (IA 400)
Power Bandwidth (T.H.D. 0.03%) ..... 10Hz to 50kHz
Damping Factor (8 ohms) ..... 140 (IA 600)
120 (IA 400)

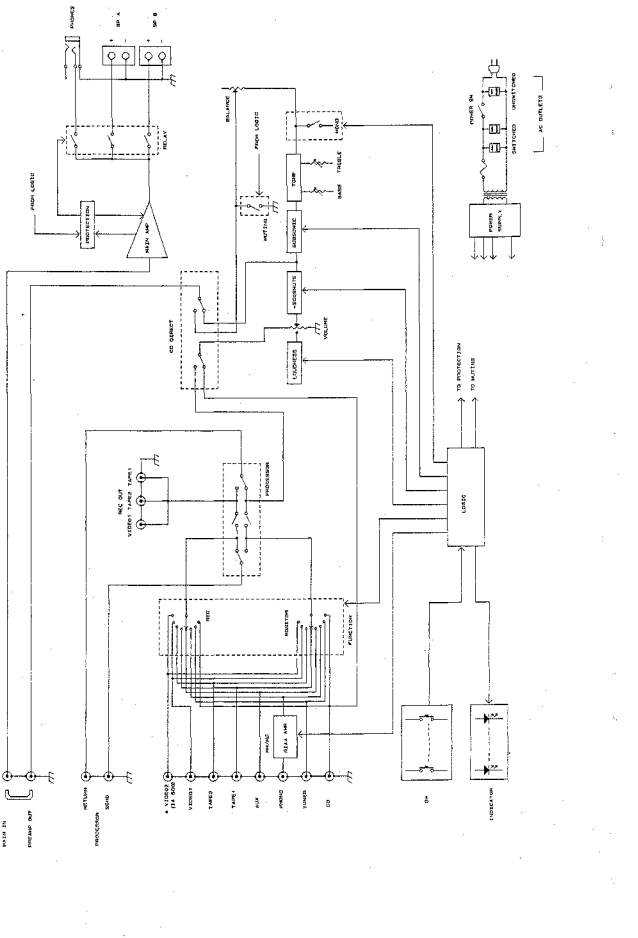
Total Harmonic Distortion
PHONO to REC OUT 1kHz
MM 0.003%
MC 0.003%
CD (1kHz at 120W) ..... 0.003% (IA 600)
(1kHz at 80W) ..... 0.003% (IA 400)
Input Sensitivity/Impedance
PHONO MM 2.5mV/47kohms
MC 0.25mV/100ohms
CD 140mV/47kohms
TUNER 140mV/47kohms
VIDEO 140mV/47kohms
TAPE 140mV/47kohms
Signal-to-Noise Ratio (IHF-A network)
PHONO MM (INPUT 5mV) 94dB
MC (INPUT 0.5mV) ..... 81dB (IA 600)
80dB (IA 400)
CD, TUNER, TAPE 105dB
MAIN IN ..... 125dB (IA 600)
120dB (IA 400)
PHONO Overload level at 1kHz (0.1% T.H.D.)
MM 150mV
MC 15mV
Frequency Response
PHONO (RIAA, REC OUT 150mV)
MM ..... 20Hz to 20kHz + 0dB, −1.5dB
MC ..... 20Hz to 20kHz + 0dB, −1.5dB
CD (at 1W) ..... 5Hz to 100kHz + 0dB, −1.5dB
Tone Controls
BASS ..... ±10dB (100Hz)
TREBLE ..... ±10dB (10kHz)
SUBSONIC FILTER ..... 15Hz, −12dB/oct.

General

Power Require
U.S.A. & Canada ..... AC 120V, 60Hz
Europe ..... AC 220V, 50Hz
Power Consumption
U.S.A. & Canada ..... 360W, 480VA (IA 600)
300W, 400VA (IA 400)
Dimensions ..... 442(W)x146(H)x413(D)mm
(17−2/5" x 5−3/4" x 16−1/4")
Weight 14.5kg (32lbs)

* Specifications are subject to change without notice.

BLOCK DIAGRAM



ALIGNMENT

TEST EQUIPMENTS

Allow a minimum of 10 minutes warm-up for test equipment.
Maintain rated line voltage.

Audio Frequency Generator
Distortion Meter
Oscilloscope
AC Voltmeter
DC Voltmeter

IDLING CURRENT ADJUSTMENT

1. Connect the DC voltmeter to the test points.
2. Turn the VOLUME control knob down to the fully counter clockwise.
3. Turning on the power button of the IA600/400.
4. Allow a minimum of 1 minute warm-up for the amplifier.
5. Adjust the trimmer potentiometer VR503 (left channel) or VR504 (right channel) so that the DC voltmeter indicates 10mV±1mV.
6. Turn off the power button of the IA600/400 and remove the DC voltmeter.

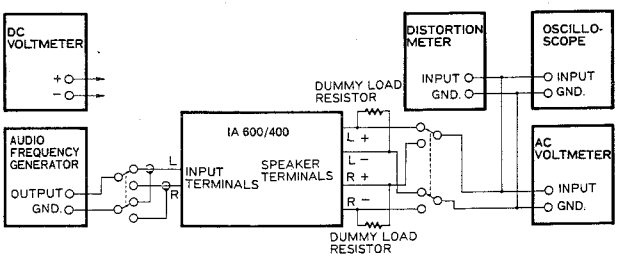


Figure 1 Test Equipment Hook-Up

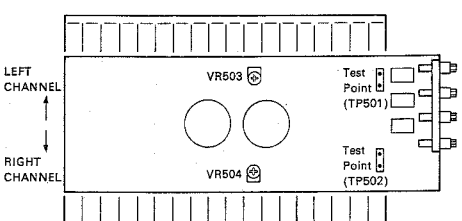
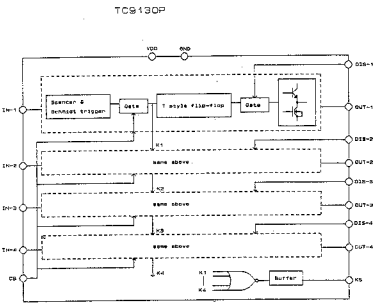
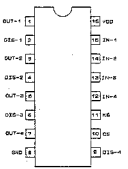


Figure 2 Adjustment Points

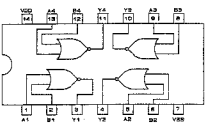
CIRCUITS DATA

INTEGRATED CIRCUIT TC9130P
Quad T-style Flip-Flop/TOSHIBA

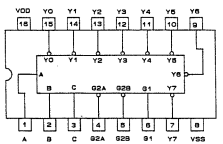




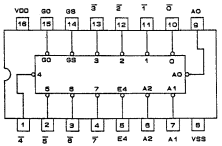
INTEGRATED CIRCUIT µPD4001BC
Quad 2-Input NOR Gate/NEC



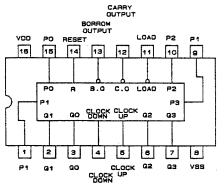
INTEGRATED CIRCUIT μPD74HC138C
3-to-8 Line Decoder/NEC



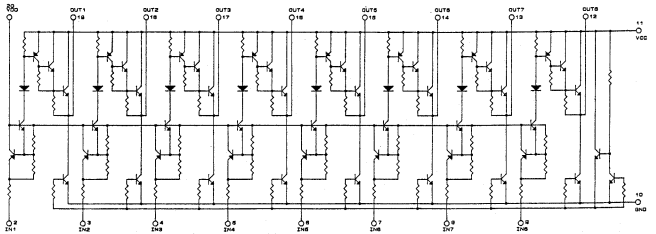
INTEGRATED CIRCUIT μPD74HC148C
8-to-3 Line Priority Encoder/NEC



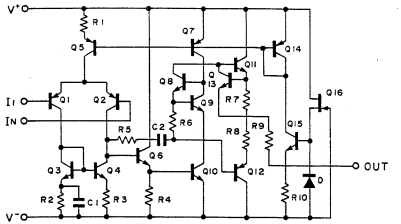
INTEGRATED CIRCUIT μPD74HC192C
Up/Down Decode Counter/NEC

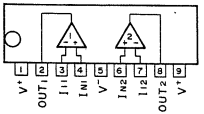


INTEGRATED CIRCUIT LB1245
FL Tube Driver/SANYO



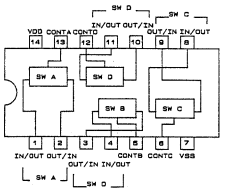
INTEGRATED CIRCUIT μPC4570HA
Dual Op.Amp./NEC



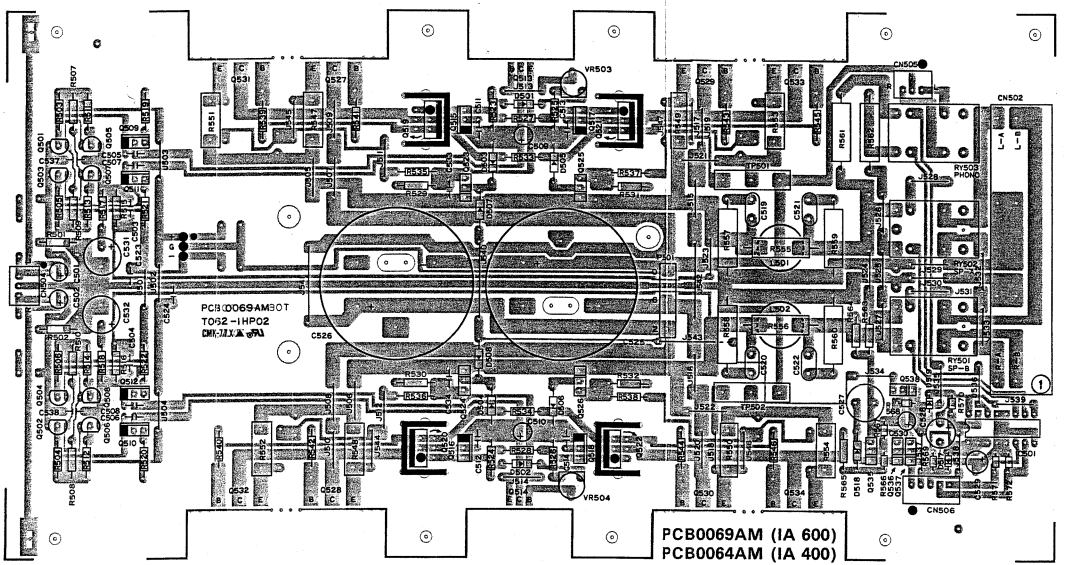


(SIDE VIEW)

INTEGRATED CIRCUIT LC4966
Quad Bilateral Switch/SANYO



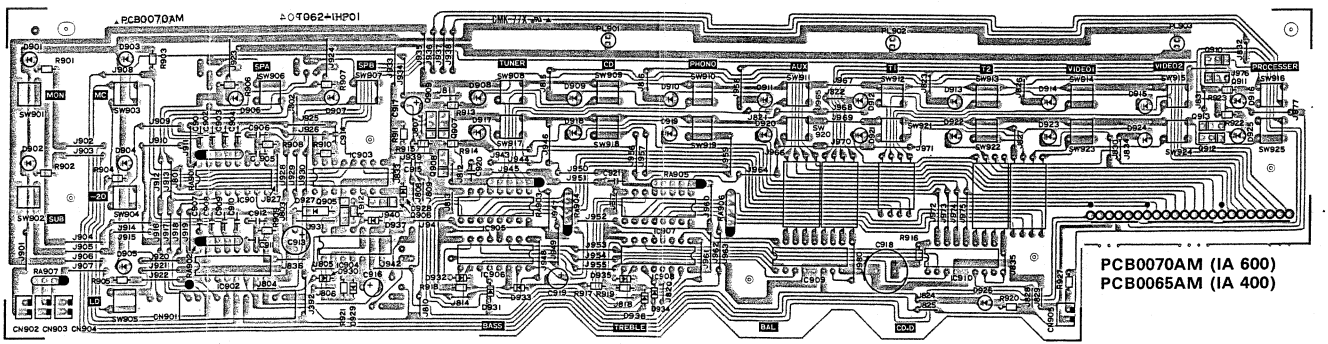
PCB MAIN PCB



PCB0069AM (IA 600)
PCB0064AM (IA 400)

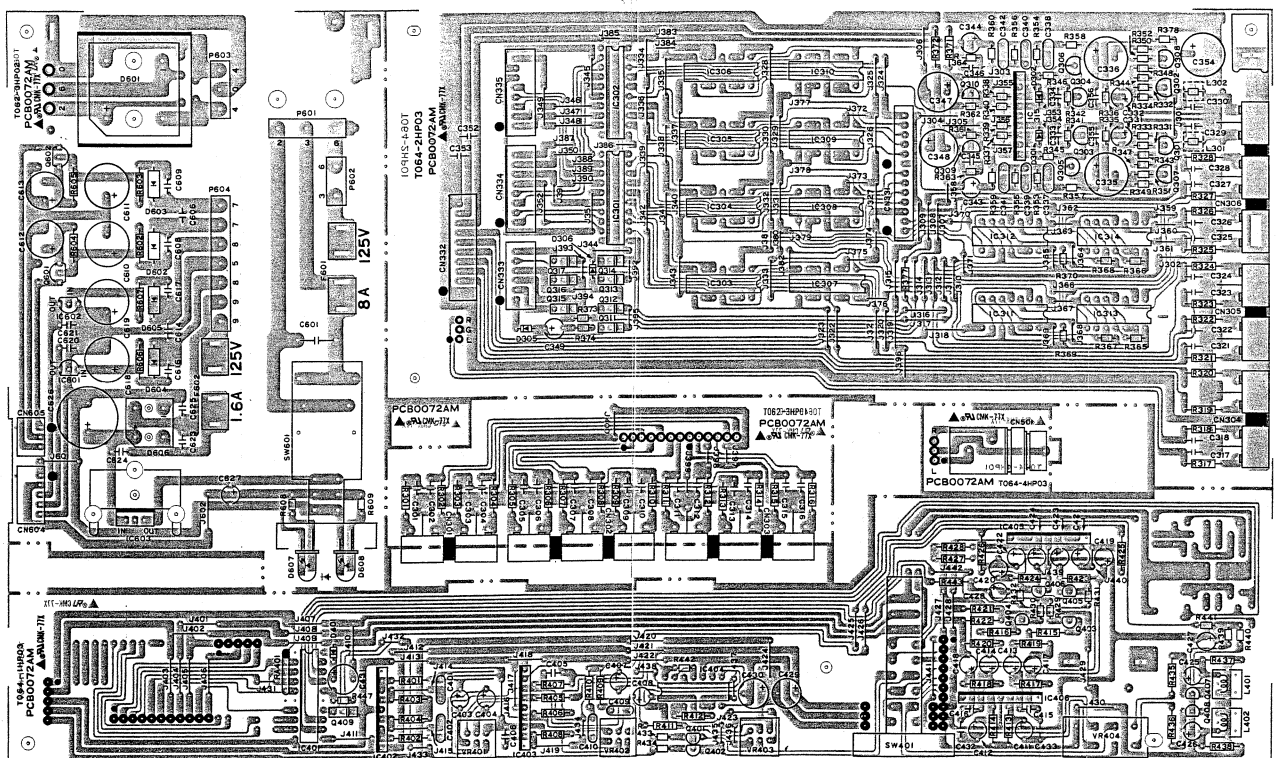
LED PCB
PCB0049AM

SW PCB



PCB0070AM (IA 600)
PCB0065AM (IA 400)

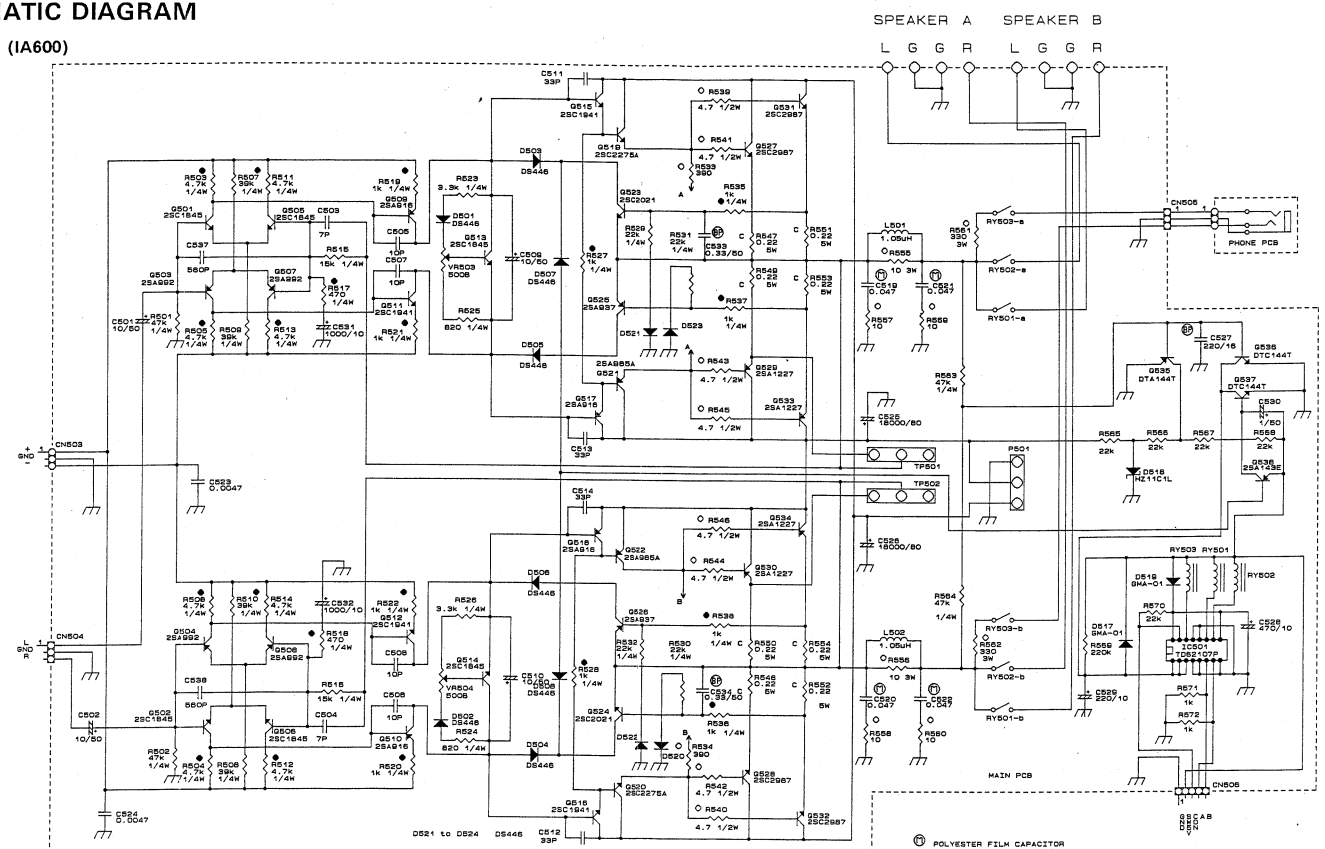
SUB PCB



PCB0072AM (IA 600 W/C)
PCB0073AM (IA 600 E/V)
PCB0067AM (IA 400 W/C)
PCB0068AM (IA 400 E/V)

SCHEMATIC DIAGRAM

MAIN PCB (IA600)



SERVICE INFORMATION

CAUTION: REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

1. EACH PRECAUTION TO BE FOLLOWED DURING SERVICING.
2. ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURERS RECOMMENDED PARTS.
3. BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER, YOU MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

(F) POLYESTER FILM CAPACITOR

(BP) BIPOLAR ELECTROLYTIC CAPACITOR

○ METAL OXIDE FILM FIXED RESISTOR

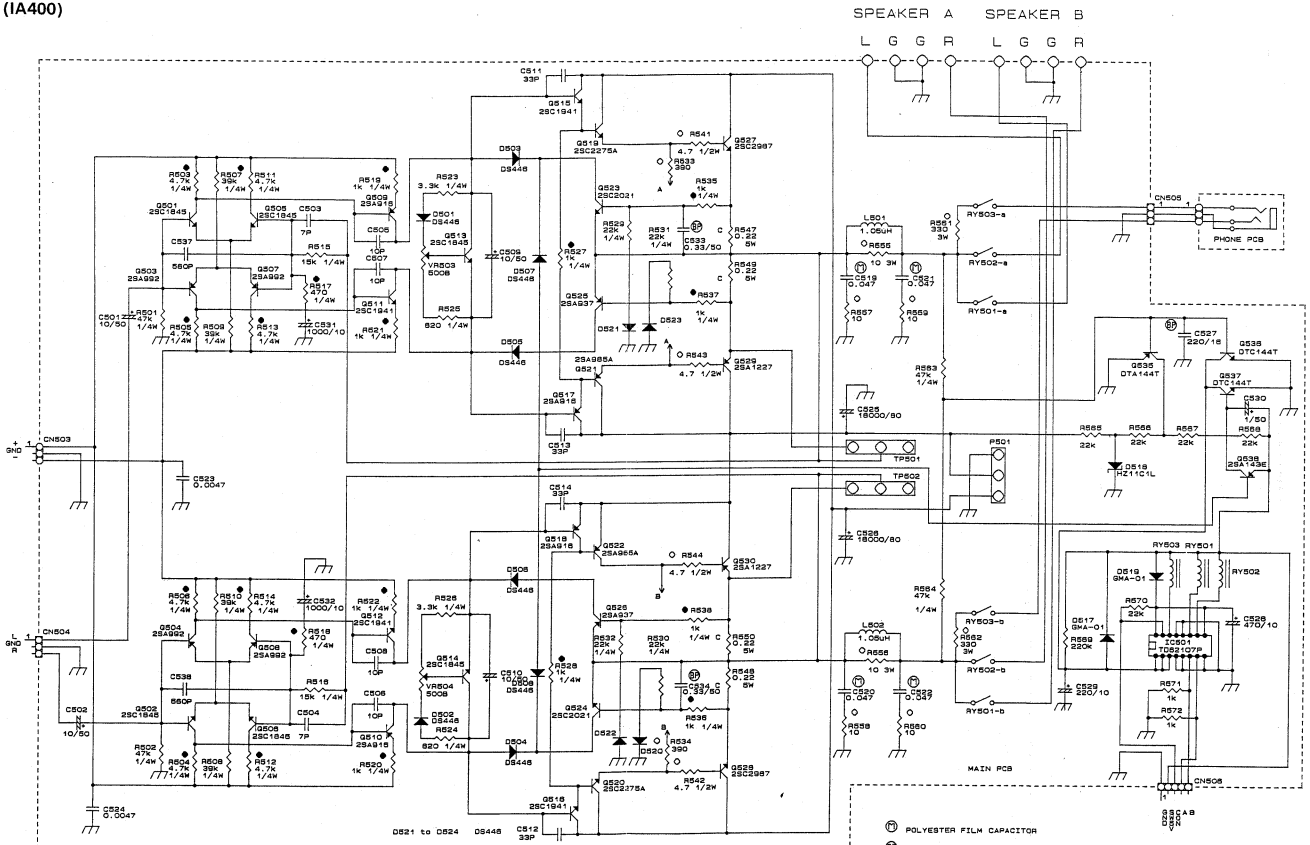
◆ FLAME PROOF CABRON FILM FIXED RESISTOR

C CEMENTED WIREWOUND FIXED RESISTOR

UNSPECIFIED FIXED RESISTORS ARE 1/6W

* SCHEMATIC IS SUBJECT TO CHANGE WITHOUT NOTICE.

MAIN PCB (IA400)



Ⓜ POLYESTER FILM CAPACITOR

Ⓑ BIPOLAR ELECTROLYTIC CAPACITOR

○ METAL OXIDE FILM FIXED RESISTOR

◆ FLAME PROOF CABRON FILM FIXED RESISTOR

C CEMENTED WIREWOUND FIXED RESISTOR

UNSPECIFIED FIXED RESISTORS ARE 1/8W

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SERVICE INFORMATION

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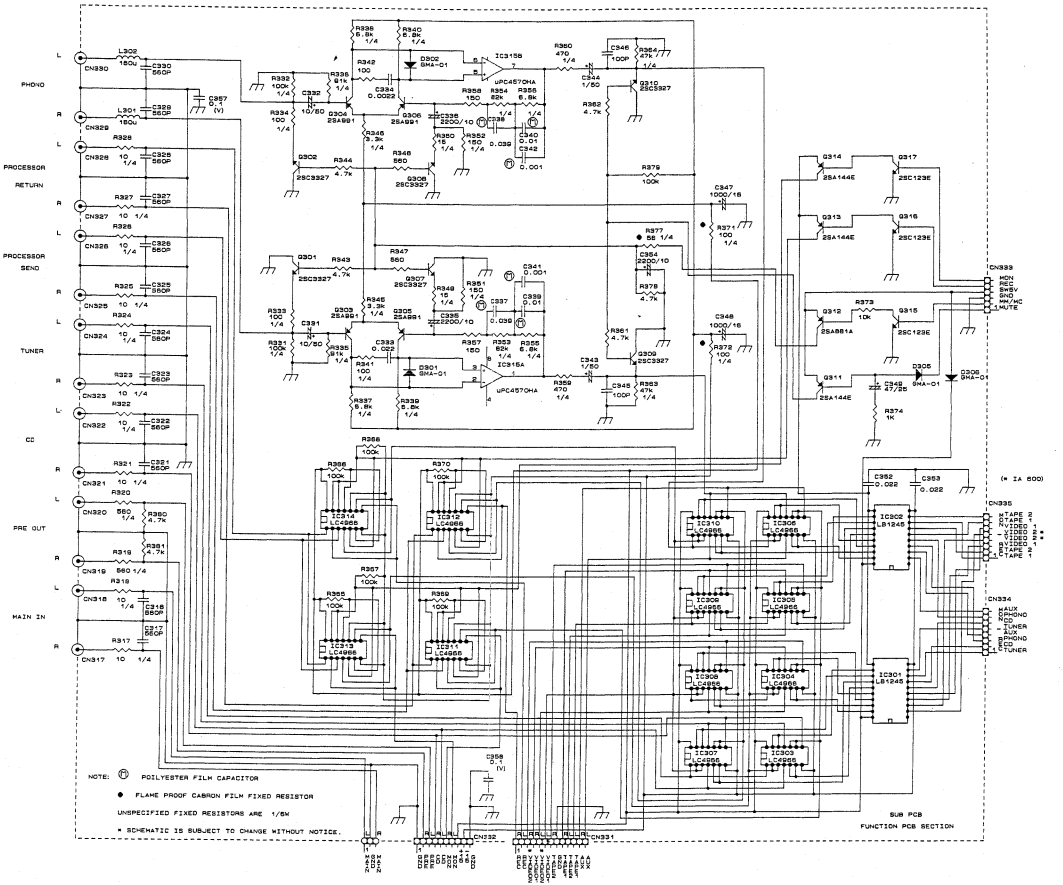
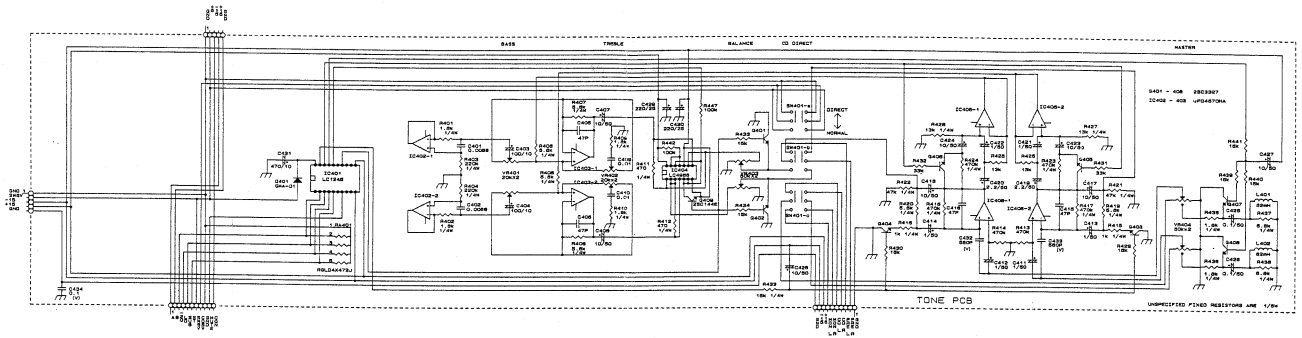
3. BEFORE RETURNING THIS APPLIANCE TO THE CUSTOMER, YOU MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

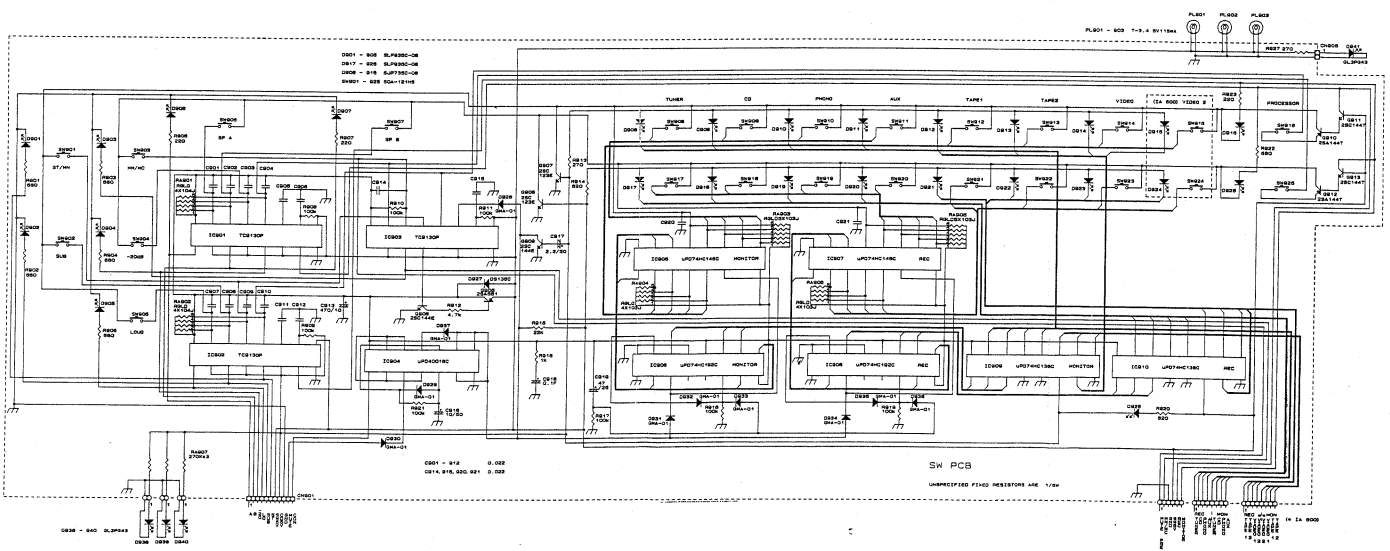
FUNCTION PCB (IA600, IA400)



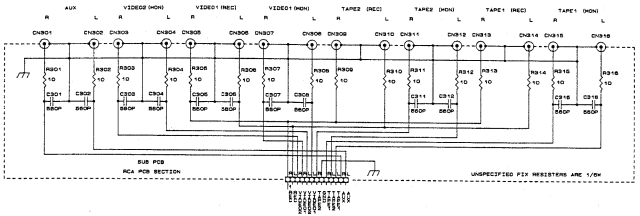
TONE PCB (IA600, IA400)



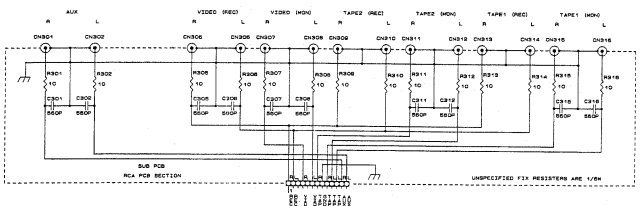
SW PCB (IA600, IA400)



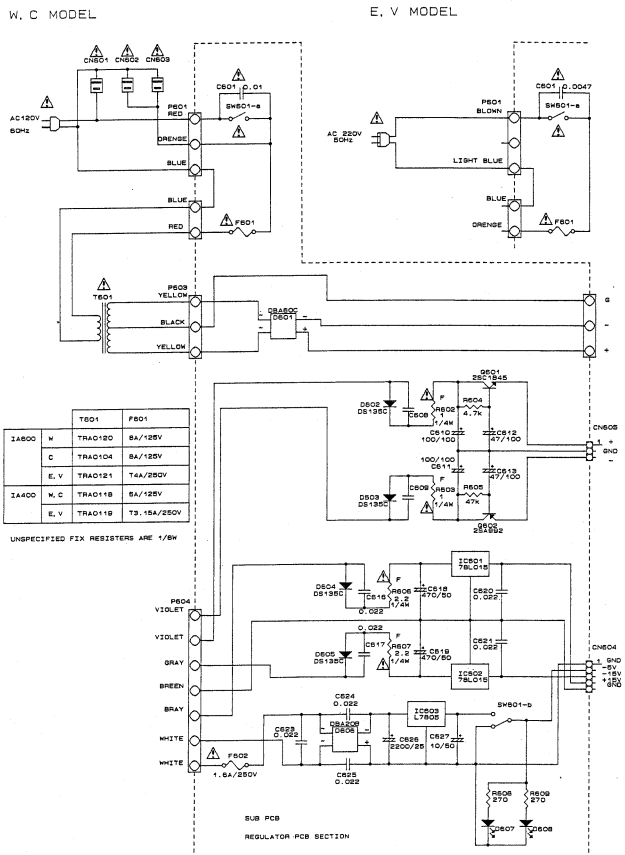
RCA PCB (IA600)



RCA PCB (IA400)



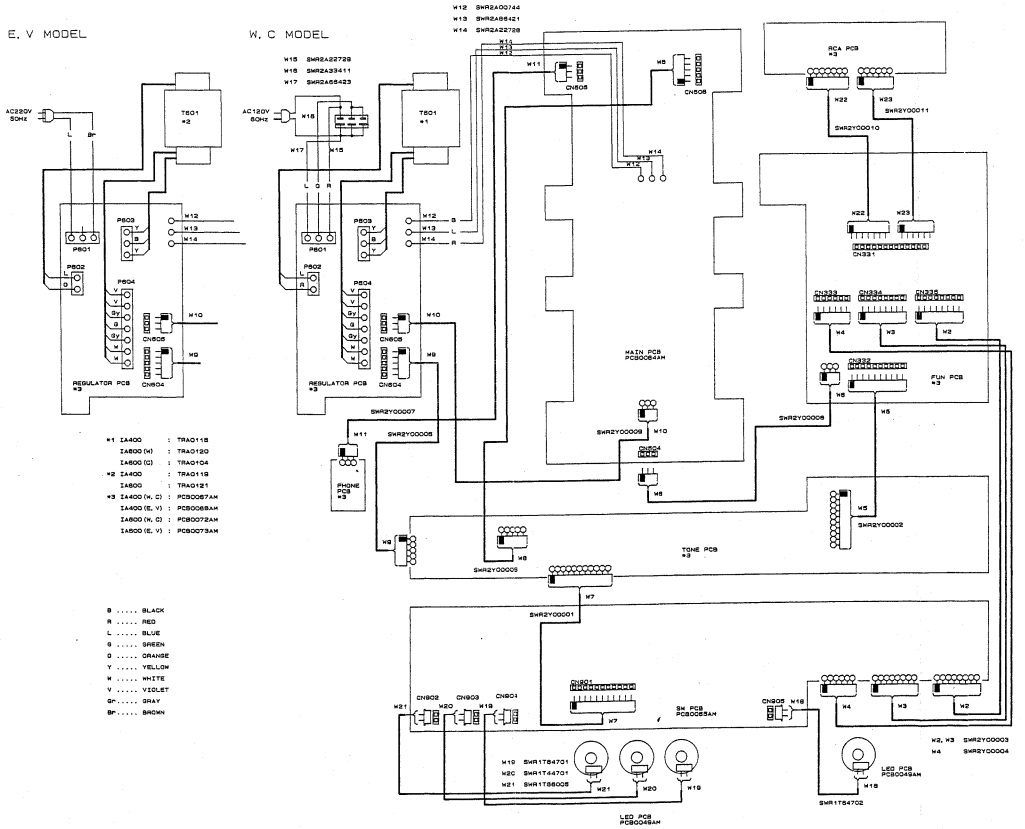
REGULATOR PCB (IA600, IA400)



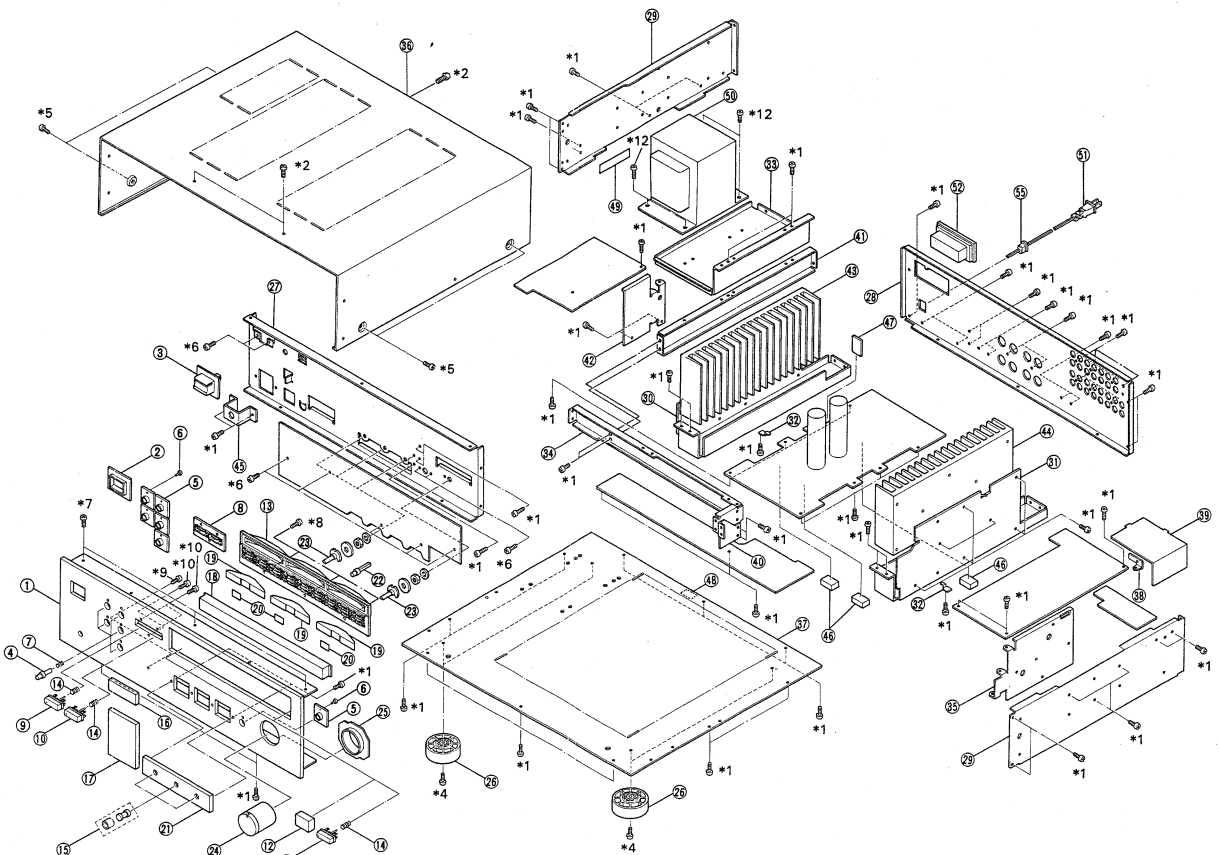
		T601	F601
IA600	W	TRA0120	6A/125V
	C	TRA0104	6A/125V
	E, V	TRA0121	T4A/250V
IA400	W, C	TRA0118	6A/125V
	E, V	TRA0119	T3.15A/250V

UNSPECIFIED FIX RESISTERS ARE 1/6W

WIRING DIAGRAM



EXPLODED VIEWS



PARTS LIST

NOTES:

1. ✦ Numerals in file indicate the quantity of parts used in one type.
   W ..... AC 120V 60Hz, U.S.A. Model
   C ..... AC 120V Canada Model
   E ..... AC 220V 50Hz European Model
   V ..... AC 220V 50Hz West Germany Model
2. TR: Transistor
   FET: Field effect transistor
   RES: Carbon film fixed resistor
   MO-RES: Metal oxide film fixed resistor
   FP-RES: Flame proof carbon film fixed resistor
   F-RES: Fuse resistor
   POT: Trimmer potentiometer
   VR: Variable resistor
   C-CAP: Ceramic capacitor
   E-CAP: Aluminum electrolytic capacitor
   M-CAP: Polyester film capacitor
   P-CAP: Polypropylene film capacitor
   BP-CAP: Bipolar electrolytic capacitor
   T-CAP: Tantalum electrolytic capacitor
3. Assemblies and parts are subject to change without notice.
4. Parts ordering procedure:
   A. DO NOT USE THE "REFERENCE" number and "SYMBOL/" number. (these are control numbers for the factory only)
   B. Include in any order
      a. Part number. b. Part description. c. Model number.
      (any of the above lacking from an order may delay shipment of that order.)

WARNING

⚠ INDICATES SAFETY CRITICAL COMPONENTS.
FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

REF NO.	SYMBOL/ NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
		PACKING & ACCESSORIES									
		1	1	1	-	-	-	-	-	CARTON BOX IA600	PAC10172
		-	-	-	-	1	1	1	1	CARTON BOX IA400	PAC10172
		1	1	1	1	1	1	1	1	STYROL PAD SET	PAC30050
		1	1	1	1	1	1	1	1	POLY SACK #13	PAC40023
		1	1	1	1	1	1	1	1	OWNERS MANUAL IA600	MNL0473AM
		-	-	-	-	1	1	1	1	OWNERS MANUAL IA400	MNL0485AM
		1	-	-	-	1	-	-	-	WARRANTY CARD	MNL0012Z
		-	-	1	-	-	-	1	-	WARRANTY CARD	MNL0042Z
		1	-	-	1	1	-	-	1	WARRANTY CARD	MNL0132Z
		1	-	1	1	1	-	1	1	SERVICE STATION LIST	MNL0122Z
		CABINET & CASSIS ASSEMBLY									
1-a		1	1	1	1	-	-	-	-	FRONT PANEL IA600	PRSA01846
1-b		-	-	-	-	1	1	1	1	FRONT PANEL IA400	PRSA01850
2		1	1	1	1	1	1	1	1	BUTTON GUIDE AM	INJP04650
3		1	1	1	1	1	1	1	1	POWER BUTTON ASS'Y (IA)	NDBP013
4		5	5	5	5	5	5	5	5	BUTTON (S)	INJP04660
5		1	1	1	1	1	1	1	1	BUTTON GUIDE (C)	INJP04670
6		8	8	8	8	8	8	8	8	FUNCTION INDICATOR	PLTP005
7		5	5	5	5	5	5	5	5	SPRING	SPR17011
8		1	1	1	1	1	1	1	1	BUTTON GUIDE (A)	INJP03600
9		1	1	1	1	1	1	1	1	FUNCTION BUTTON (A) ASS'Y	NDBP014
10		1	1	1	1	1	1	1	1	FUNCTION BUTTON (B) ASS'Y	NDBP015
11		18	18	18	18	16	16	16	16	FUNCTION BUTTON (C) ASS'Y	NDBP016
12		3	3	3	3	3	3	3	3	DUMMY BUTTON	INJP04720
13		1	1	1	1	1	1	1	1	WARRANTY CARD	INJP03650
14		20	20	20	20	18	18	18	18	SPRING	SPR17009
15		1	1	1	1	1	1	1	1	KNOB VR ASS'Y	INJP03030
16-a		1	-	-	-	1	-	-	-	FACING PANEL (A) IA400	PRSA01810
16-b		-	1	1	1	-	1	1	1	KNOB PROTECT LIZ	PRSA01760
17		1	1	1	1	1	1	1	1	FACING PANEL (B)	PRSA01820
18-a		1	1	1	-	-	-	-	-	PANEL WINDOW IA600	PLTP012
18-b		-	-	-	-	1	1	1	1	PANEL WINDOW IA400	PLTP005
19		3	3	3	3	3	3	3	3	WINDOW LENS	PLTJ007
20		3	3	3	3	3	3	3	3	DIFFUSER	PRSP00250
21		1	1	1	1	1	1	1	1	KOMB PANEL 650	INJP04650
22		1	1	1	1	1	1	1	1	BUTTON	INJP03610
23		4	4	4	4	4	4	4	4	LED HOLDER	INJP04570
24		1	1	1	1	1	1	1	1	KNOB VR ASS'Y	NDBP017
25		1	1	1	1	1	1	1	1	KNOB GUIDE VR3	INJP04620
26		4	4	4	4	4	4	4	4	FOOT ASS'Y	ASP014
27		1	1	1	1	1	1	1	1	FRONT PLATE	PRST05440
28-a		1	-	-	-	-	-	-	-	BACK PLATE IA600 (W)	PRST05470
28-b		-	1	1	-	-	-	-	-	BACK PLATE IA600 (E)	PRST05480
28-c		-	-	-	1	-	-	-	-	BACK PLATE IA400 (W)	PRST05450
28-d		-	-	-	-	1	1	1	1	BACK PLATE IA400 (E)	PRST05460
29		2	2	2	2	2	2	2	2	SIDE PLATE	PRST05490
30		1	1	1	1	1	1	1	1	SUB HEAT SINK (L)	PRSA01850
31		1	1	1	1	1	1	1	1	SUB HEAT SINK (R)	PRSA01860
32		2	2	2	2	2	2	2	2	TRANSISTOR HOLDER	PRST05120
33		1	1	1	1	1	1	1	1	P.T HOLD	PRST05500
34		1	1	1	1	1	1	1	1	ANGLE	PRST05510
35		1	1	1	1	1	1	1	1	PCB BRACKET (R)	PRST05530
36-a		1	-	-	-	1	-	-	-	TOP COVER	PRST05540
36-b		-	1	1	1	-	1	1	1	TOP COVER	PRST05630
37		1	1	1	1	1	1	1	1	BOTTOM COVER	PRST05560
38		1	1	1	1	1	1	1	1	PCB BRACKET	PRST05570
39		1	1	1	1	1	1	1	1	SHILD PLATE	PRST05580
40		1	1	1	1	1	1	1	1	ANGLE BRACKET	PRST05590
41		1	1	1	1	1	1	1	1	CHASE ANGLE (L)	PRST02351
42		1	1	1	1	1	1	1	1	POWER PCB BRACKET	PRST05600
43		1	1	1	1	1	1	1	1	MAIN HEAT SINK (L)	INJA00370
44		1	1	1	1	1	1	1	1	MAIN HEAT SINK (R)	INJA00380
45		1	1	1	1	1	1	1	1	BRACKET P.J-13.5	PRST05810

REF NO.	SYMBOL/ NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
46		3	3	3	3	3	3	3	3	INSULATOR SPACER	SPC032
47		1	1	1	1	-	-	-	-	SPACER	SPC046
48		1	1	1	1	-	-	-	-	FLASH LABEL	LBL0055
48		1	1	-	-	1	1	-	-	CA/DA (FUSE) LABEL	LBL0147
⚠ 50-a		1	1	-	-	-	-	-	-	POWERTRANSFORMER-ST-8125-7266	TRA0120
⚠ 50-b		-	1	-	-	-	-	-	-	POWERTRANSFORMER-ST-8325-7758	TRA0104
⚠ 50-c		-	-	1	1	-	-	-	-	POWERTRANSFORMER-ST-8125-7267	TRA0121
⚠ 50-d		-	-	-	-	1	1	-	-	POWERTRANSFORMER-ST-8125-7264	TRA0118
⚠ 50-e		-	-	-	-	-	-	1	1	POWERTRANSFORMER-ST-8125-7265	TRA0119
⚠ 51-a		1	1	-	-	1	1	-	-	PLUG CORD SPT-2	ACC0028
⚠ 51-b		-	-	1	1	-	-	1	1	PLUG CORD EP-567-E10	ACC0029
⚠ 52		1	1	-	-	1	1	-	-	AC OUTLET M704	SKT0017
53		1	1	1	1	1	1	1	1	GND TERMINAL (PEV	TAM40009
54		2	2	2	2	2	2	2	2	JUMPER	FLG0080
⚠ 55		1	1	1	1	1	1	1	1	CORD STOPPER No.2104	GRM0017
		MAIN PCB ASSEMBLY									
		1	1	1	1	-	-	-	-	MAIN PCB	PCB0069AM
		-	-	-	-	1	1	1	1	MAIN PCB	PCB0064AM
		4	4	4	4	4	4	4	4	HEAT SINK (for 0615~622)	FIRA00610
	IC601	1	1	1	1	1	1	1	1	IC TD521079	IC10411
	Q601,602	2	2	2	2	2	2	2	2	TR 2SC1845 (F,E)	TRNC1845
	Q603,604	2	2	2	2	2	2	2	2	TR 2SA992 (F,E)	TRNA992
	Q605,606	2	2	2	2	2	2	2	2	TR 2SC5198 (F,E)	TRNC1946
	Q607,608	2	2	2	2	2	2	2	2	TR 2SA992 (F,E)	TRNA992
	Q609,610	2	2	2	2	2	2	2	2	TR 2SA816 (LA,KA)	TRNA816
	Q611,612	2	2	2	2	2	2	2	2	TR 2SC1941 (LA,KA)	TRNC1941
	Q613,614	2	2	2	2	2	2	2	2	TR 2SC5198 (F,E)	TRNC1946
	Q615,616	2	2	2	2	2	2	2	2	TR 2SC1941 (LA,KA)	TRNC1941
	Q617,618	2	2	2	2	2	2	2	2	TR 2SA816 (LA,KA)	TRNA816
	Q619,620	2	2	2	2	2	2	2	2	TR 2SC2275A (A)	TRNC2275A
	Q621,622	2	2	2	2	2	2	2	2	TR 2SA968A (P,G)	TRNA968A
	Q623,624	2	2	2	2	2	2	2	2	TR 2SC2231 (R,G)	TRNC2231
	Q625,626	2	2	2	2	2	2	2	2	TR 2SA937 (R,G)	TRNA937
	Q627,628	2	2	2	2	2	2	2	2	TR 2SC2997 (Q,F)	TRNC2997
	Q629,630	2	2	2	2	2	2	2	2	TR 2SA1227 (Q,F)	TRNA1227
	Q631,632	2	2	2	2	-	-	-	-	TR 2SC2997 (Q,F)	TRNC2997
	Q633,634	2	2	2	2	-	-	-	-	TR 2SA1227 (Q,F)	TRNA1227
	Q635	1	1	1	1	1	1	1	1	DTR DTA144TF	TRNZA144TF
	Q636,637	2	2	2	2	2	2	2	2	TR DTC144TF	TRNZC144TF
	Q638	1	1	1	1	1	1	1	1	DTR DTA143EF	TRNZA143EF
	D601~608	8	8	8	8	8	8	8	8	DI DS445	DIOS0049
	D617	1	1	1	1	1	1	1	1	DI GIM01	DIOS0023
	D618	1	1	1	1	1	1	1	1	ZD 1NT1CT1	DIOZ0116
	D619	1	1	1	1	1	1	1	1	DI GIM01	DIOS0023
	D620~623	4	4	4	4	4	4	4	4	DI DS444	DIOS0048
	LD01,602	2	2	2	2	2	2	2	2	CDN CHI 1M H	CILD0020
	RY601~603	3	3	3	3	-	-	-	-	RELAY RB3233D05-K	RLEB3002
	RY601~603	-	-	-	-	3	3	3	3	RELAY RB3233D05	RLEB3001
	C601,602	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C603,604	2	2	2	2	2	2	2	2	C-CAP 7 pF 500V	CAPB070D1N
	C605~608	4	4	4	4	4	4	4	4	C-CAP 10 pF 500V	CAPB100D6G
	C609,610	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C611~614	4	4	4	4	4	4	4	4	C-CAP 33 pF 500V	CAPB330D2C
	C615~622	4	4	4	4	4	4	4	4	M-CAP 0.047 μF 100V	CAPE4736J
	C623,624	2	2	2	2	2	2	2	2	E-CAP 0.0047μF 500V	CAPA472B2N
	C625,626	2	2	2	2	-	-	-	-	E-CAP 18000 μF 80V	CAPA1809E8
	C625,626	-	-	-	-	2	2	2	2	E-CAP 10000 μF 80V	CAPA1080E8
	C627	1	1	1	1	1	1	1	1	BP-CAP 220 μF 16V	CAPA2271B
	C628	1	1	1	1	1	1	1	1	E-CAP 470 μF 10V	CAPA4710D
	C629	1	1	1	1	1	1	1	1	E-CAP 220 μF 10V	CAPA2210E0
	C630	1	1	1	1	1	1	1	1	E-CAP 1 μF 50V	CAPA105D5G
	C631,632	2	2	2	2	2	2	2	2	E-CAP 1000 μF 10V	CAPA1060E0
	C633,634	-	-	-	-	2	2	2	2	BP-CAP 1 μF 50V	CAPA105D6G
	C633,634	2	2	2	2	-	-	-	-	BP-CAP 0.33 μF 50V	CAPA3R3D3D
	C637,638	2	2	2	2	2	2	2	2	C-CAP 560 pF 500V	CAPB561D4H
	R601,602	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES1473D6B

PARTS ORDERING PROCEDURE ... DO NOT USE THE "REFERENCE" number and "SYMBOL" number. (these are control numbers for the factory only.)
Include in any order: a. Part number, b. Part description, c. Model number. (any of the above lacking from an order may delay shipment of the order.)

REF NO.	SYMBOL NO.	IA600 W	C	E	V	W	C	E	V	IA400 W	DESCRIPTION	PARTS NO.
	R603 - 606	4	4	4	4	4	4	4	4	4	FP-RES 4.7k OHM 1/4W	RES04720I1A
	R607 - 610	4	4	4	4	4	4	4	4	4	RES 39k OHM 1/4W	RES13900I8
	R511 - 514	4	4	4	4	4	4	4	4	4	FP-RES 4.7K OHM 1/4W	RES04720I1A
	R515,516	2	2	2	2	-	-	-	-	-	FP-RES 15k OHM 1/4W	RES15300I6
	R517,518	2	2	2	2	-	-	-	-	-	FP-RES 470 OHM 1/4W	RES04710I1A
	R517,518	-	-	-	-	2	2	2	2	2	FP-RES 680 OHM 1/4W	RES06810I2A
	R518 - 522	4	4	4	4	4	4	4	4	4	FP-RES 1k OHM 1/4W	RES01020I1A
	R523,524	2	2	2	2	2	2	2	2	2	FP-RES 3.3k OHM 1/4W	RES03320I1E
	R525,526	2	2	2	2	2	2	2	2	2	FP-RES 820 OHM 1/4W	RES08210I1A
	R527,528	2	2	2	2	4	4	4	4	4	FP-RES 1k OHM 1/4W	RES01020I1A
	R529 - 532	4	4	4	4	4	4	4	4	4	RES 22k OHM 1/4W	RES12220I2A
	R533,534	2	2	2	2	2	2	2	2	2	MO-RES 280 OHM 1/2W	RES43810I4A
	R535 - 538	4	4	4	4	4	4	4	4	4	MO-RES 1k OHM 1/2W	RES01020I1A
	R538,540	2	2	2	2	-	-	-	-	-	MO-RES 4.7 OHM 1/2W	RES64470I1A
	R541 - 544	4	4	4	4	4	4	4	4	4	MO-RES 4.7 OHM 1/2W	RES64470I1A
	R545,546	2	2	2	2	-	-	-	-	-	MO-RES 4.7 OHM 1/2W	RES64470I1A
	R547 - 550	4	4	4	4	4	4	4	4	4	CEM-RES 4.7 OHM 5W	RES76720I1A
	R551 - 554	4	4	4	4	-	-	-	-	-	CEM-RES 0.22 OHM 5W	RES76220I1A
	R555 - 560	6	6	6	6	6	6	6	6	6	MO-RES 10 OHM 3W	RES43100I3A
	R561,562	2	2	2	2	2	2	2	2	2	MO-RES 330 OHM 3W	RES43310I3A
	R563,564	2	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES14730I8
	R565	1	1	1	1	1	1	1	1	1	RES 22k OHM 1/4W	RES12220I2A
	R566 - 568	3	3	3	3	3	3	3	3	3	RES 22k OHM 1/4W	RES12220I2A
	R569	1	1	1	1	1	1	1	1	1	RES 220k OHM 1/4W	RES22420I2A
	R570	1	1	1	1	1	1	1	1	1	RES 22k OHM 1/4W	RES12220I2A
	R571,572	2	2	2	2	2	2	2	2	2	RES 1k OHM 1/4W	RES01020I1A
	VR503,504	2	2	2	2	2	2	2	2	2	POT 500B	VRE2501B02
	CN502	1	1	1	1	1	1	1	1	1	SPEAKER TERMINAL 16166	SPT0016A01
	CN504,505	2	2	2	2	2	2	2	2	2	CONNECTOR CJP3103-0101	SKT0180
	CN506	1	1	1	1	1	1	1	1	1	CONNECTOR CJP3105-0101	SKT0187

SW PCB ASSEMBLY

		1	1	1	1	-	-	-	-	-	SW PCB	PCB0076AM
		-	-	-	-	1	1	1	1	1	SW PCB	PCB0065AM
	IC901 - 903	3	3	3	3	3	3	3	3	3	IC TC9136P	IC7407
	IC904	1	1	1	1	1	1	1	1	1	IC UPD4001BC	IC7402
	IC905	1	1	1	1	1	1	1	1	1	IC UPD74HC14BC	IC7409
	IC906	1	1	1	1	1	1	1	1	1	IC UPD74HC192C	IC7410
	IC907	1	1	1	1	1	1	1	1	1	IC UPD74HC4013C	IC7409
	IC908	1	1	1	1	1	1	1	1	1	IC UPD74HC192C	IC7451
	IC909,910	2	2	2	2	2	2	2	2	2	IC UPD74HC139C	IC7420
	Q905	1	1	1	1	1	1	1	1	1	TR 2SA681 (R,Q)	TRN4681
	Q906	1	1	1	1	1	1	1	1	1	DTR DTC144EF	TRNC144EF
	Q907,908	2	2	2	2	2	2	2	2	2	DTR DTC123EF	TRNC123EF
	Q909	1	1	1	1	1	1	1	1	1	DTR DTC144EF	TRNC144EF
	Q910	1	1	1	1	1	1	1	1	1	DTR DTA144TF	TRNA144TF
	Q911	1	1	1	1	1	1	1	1	1	DTR DTA144TF	TRNA144TF
	Q912	1	1	1	1	1	1	1	1	1	DTR DTA114TF	TRNA114TF
	Q913	1	1	1	1	1	1	1	1	1	DTR DTC114TF	TRNC114TF
	D901 - 905	5	5	5	5	5	5	5	5	5	LED SLP335C-08	DIO0077
	D906 - 914	9	9	9	9	9	9	9	9	9	LED SLP335C-06	DIO0089
	D915	1	1	1	1	1	1	1	1	1	LED SLP335C-08	DIO0088
	D916	1	1	1	1	1	1	1	1	1	LED SLP335C-08	DIO0089
	D917 - 923	7	7	7	7	7	7	7	7	7	LED SLP335C-06	DIO0090
	D924	1	1	1	1	-	-	-	-	-	LED SLP335C-08	DIO0071
	D925,926	2	2	2	2	2	2	2	2	2	LED SLP335C-08	DIO0071
	D927	1	1	1	1	1	1	1	1	1	DI: DS135C	DIO0028
	D928 - 937	10	10	10	10	10	10	10	10	10	DI: GMA01	DIG00023
	FL501 - 503	3	3	3	3	3	3	3	3	3	LMF0128	LMF0128
	SW901 - 914	14	14	14	14	14	14	14	14	14	TACT SW SCA-121HS	SWT1110
	SW915	1	1	1	1	-	-	-	-	-	TACT SW SCA-121HS	SWT1110
	SW916 - 923	8	8	8	8	8	8	8	8	8	TACT SW SCA-121HS	SWT1110
	SW924	1	1	1	1	-	-	-	-	-	TACT SW SCA-121HS	SWT1110
	SW925	1	1	1	1	-	-	-	-	-	TACT SW SCA-121HS	SWT1110
	C901 - 912	12	12	12	12	12	12	12	12	12	C-CAP 0.022 μF 25V	CAPE22304I1
	C913	1	1	1	1	1	1	1	1	1	E-CAP 470 μF 10V	CAPA471M1EF
	C914,915	2	2	2	2	2	2	2	2	2	C-CAP 0.022 μF 25V	CAPE22304I1
	C916	1	1	1	1	1	1	1	1	1	E-CAP 10 μF 50V	ECA1AM010
	C917	1	1	1	1	1	1	1	1	1	E-CAP 2.2 μF 50V	CAPA2R250D
	C918	1	1	1	1	1	1	1	1	1	E-CAP 0.1 μF	CAPZ01J11F
	C919	1	1	1	1	1	1	1	1	1	E-CAP 47 μF 25V	CAPAA4764J
	C920,921	2	2	2	2	2	2	2	2	2	C-CAP 0.0047 μF 50V	CAPE47204I1
	R901 - 905	5	5	5	5	5	5	5	5	5	RES 680 OHM 1/8W	RES16810I8
	R906,907	2	2	2	2	2	2	2	2	2	RES 220 OHM 1/8W	RES52210I8
	R908 - 911	4	4	4	4	4	4	4	4	4	RES 100 OHM 1/8W	RES10400I8
	R912	1	1	1	1	1	1	1	1	1	RES 4.7k OHM 1/8W	RES47203I8
	R913	1	1	1	1	1	1	1	1	1	RES 270 OHM 1/8W	RES27103I8
	R914	1	1	1	1	1	1	1	1	1	RES 820 OHM 1/8W	RES82103I8
	R915	1	1	1	1	1	1	1	1	1	RES 22k OHM 1/8W	RES22303I8
	R916	1	1	1	1	1	1	1	1	1	RES 1k OHM 1/8W	RES11003I8
	R917 - 919	3	3	3	3	3	3	3	3	3	RES 100k OHM 1/8W	RES11043I8
	R920	1	1	1	1	1	1	1	1	1	RES 820 OHM 1/8W	RES82103I8
	R921	1	1	1	1	1	1	1	1	1	RES 100k OHM 1/8W	RES11043I8
	R922	1	1	1	1	1	1	1	1	1	RES 680 OHM 1/8W	RES16813I8
	R923	1	1	1	1	1	1	1	1	1	RES 220 OHM 1/8W	RES52210I8
	R927	1	1	1	1	1	1	1	1	1	RES 100k OHM 1/8W	RES11043I8
	RA901,902	2	2	2	2	2	2	2	2	2	RES NETWORK 100k×4 1/8W	RES01040I2
	RA903	1	1	1	1	1	1	1	1	1	RES NETWORK 10k×4 1/8W	RES01030I2
	RA904	1	1	1	1	1	1	1	1	1	RES NETWORK 10k×4 1/8W	RES01009I4Z
	RA905	1	1	1	1	1	1	1	1	1	RES NETWORK 10k×8 1/8W	RES01009I3Z
	RA906	1	1	1	1	1	1	1	1	1	RES NETWORK 10k×5 1/8W	RES01009I4Z
	RA907	1	1	1	1	1	1	1	1	1	RES NETWORK 270×5 1/4W	RES02710I2Z
	CN901	1	1	1	1	1	1	1	1	1	CONNECTOR CJP3111-0101	SKT0190

SUB PCB ASSEMBLY

		1	1	-	-	-	-	-	-	-	SUB PCB (W)	PCB0072AM
		-	-	1	1	-	-	-	-	-	SUB PCB (B)	PCB0073AM

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
		-	-	-	-	1	1	-	-	SUB PCB (W)	PCB0063AM
		-	-	-	-	-	-	1	1	SUB PCB (S)	PCB0068AM

<< REGULATOR PCB SECTION >>

		1	1	1	1	1	1	1	1	HEAT SINK	SNK0022
		1	1	1	1	1	1	1	1	HEAT SINK	SNK0023
		4	4	4	4	4	4	4	4	FUSE HOLDER	HLD0048
	IC901	1	1	1	1	1	1	1	1	IC TA78L015AP	IC7D404
	IC902	1	1	1	1	1	1	1	1	IC TA79L015P	IC7D405
	IC903	1	1	1	1	1	1	1	1	IC L7805	IC7D406
	Q901	1	1	1	1	1	1	1	1	TR 2SC1845 (F,E)	TRNC1845
	Q902	1	1	1	1	1	1	1	1	TR 2SA992 (F,E)	TRNA992
	D901	1	1	1	1	1	1	1	1	DI: DB410CC	DIOR0408
	D902 - 605	4	4	4	4	4	4	4	4	DI: DS135C	DIO0025
	D606	1	1	1	1	1	1	1	1	DI: DBA20B	DIOR0404
⚠	D607,608	2	2	2	2	2	2	2	2	LED GL464H1	DIOD0085
⚠	SW901	1	1	-	-	1	1	-	-	SWITCH SUDU4A	SWT1117
	SW901	-	-	1	1	-	-	1	1	SWITCH SBDU4A	SWT1118
	CR01	-	-	-	-	1	1	1	1	C-CAP 0.0047μF 400V	CAPE47203H
	CR01	1	1	1	1	-	-	-	-	C-CAP 0.01 μF 125V	CAPB10311H
	CR08,509	2	2	2	2	2	2	2	2	C-CAP 0.0047μF 500V	CAPB47302H
	CR10,511	2	2	2	2	2	2	2	2	E-CAP 100 μF 100V	CAPA107Z2D
	CR12,513	2	2	2	2	2	2	2	2	E-CAP 47 μF 160V	CAPA476Z2J
	CR15,517	2	2	2	2	2	2	2	2	C-CAP 0.022 μF 50V	CAPB22301H
	CR18,519	2	2	2	2	2	2	2	2	E-CAP 470 μF 63V	CAPA471J2D
	CR20,521	2	2	2	2	2	2	2	2	C-CAP 0.022 μF 50V	CAPB22301H
	CR22 - 525	3	3	3	3	3	3	3	3	C-CAP 0.022 μF 50V	CAPB22301H
	CR26	1	1	1	1	1	1	1	1	E-CAP 2200 μF 25V	CAPE22803D
	CR27	1	1	1	1	1	1	1	1	E-CAP 10 μF 50V	CAPA106Z1D
	R602,603	2	2	2	2	2	2	2	2	F-RES 1 OHM 1/4W	RES01900I1A
	R604,605	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES14730I8
	R606,607	2	2	2	2	2	2	2	2	F-RES 2.2 OHM 1/4W	RES22R201A
	R608,609	2	2	2	2	2	2	2	2	RES 270 OHM 1/8W	RES27102I8
⚠	FB01	1	1	-	-	-	-	-	-	FUSE 125V 8A	FUS1082
⚠	FB01	-	-	1	1	-	-	-	-	FUSE 250V 4A	FUS1083
⚠	FB01	-	-	-	-	1	1	-	-	FUSE 250V 3.15A	FUS1079
⚠	FB01	-	-	-	-	-	-	1	1	FUSE 250V 3.15A	FUS1076
⚠	FB02	1	1	-	-	1	1	-	-	FUSE 125V 1.6A	FUS1074
⚠	FB02	-	-	1	1	-	-	1	1	FUSE 250V 1.6A	FUS1078
	CN605	1	1	1	1	1	1	1	1	CONNECTOR HBRR SR-1J	SKT0194
	CN604	1	1	1	1	1	1	1	1	CONNECTOR HBRR SR-1J	SKT0195

<< TONE PCB SECTION >>

	IC401	1	1	1	1	1	1	1	1	IC LB1245	IC7D412
	IC402,403	2	2	2	2	2	2	2	2	IC μPC4570HA	IC7D312
	IC404	1	1	1	1	1	1	1	1	IC LC4966	IC7D413
	IC405,406	2	2	2	2	2	2	2	2	IC μPC4570HA	IC7D312
	D401 - 406	8	8	8	8	8	8	8	8	TR 2SC3327 (A,B)	TRNC3327
	D407	1	1	1	1	1	1	1	1	DTR DTC144EF	TRNC144EF
	D408	1	1	1	1	1	1	1	1	DI: GMA01	DIG00023
	L401,402	2	2	2	2	2	2	2	2	COIL 82 mH	COIL00076
	SW401	1	1	1	1	1	1	1	1	SWITCH SFU12	SWT1115
	C401,402	2	2	2	2	2	2	2	2	E-CAP 0.0056μF	50V CAPE5602D
	C403,404	2	2	2	2	2	2	2	2	E-CAP 100 μF	10V CAPA107D6D
	C405,406	2	2	2	2	2	2	2	2	C-CAP 47 pF	50V CAPB47006H
	C407,408	2	2	2	2	2	2	2	2	E-CAP 10 μF	50V CAPA106Z1D
	C409,410	2	2	2	2	2	2	2	2	M-CAP 0.01 μF	50V CAPC10306D
	C411 - 414	4	4	4	4	4	4	4	4	E-CAP 1 μF	50V CAPA105Z1D
	C415,416	2	2	2	2	2	2	2	2	E-CAP 10 μF	50V CAPA106Z1D
	C417,418	2	2	2	2	2	2	2	2	E-CAP 10 μF	50V CAPA106Z1D
	C419,420	2	2	2	2	2	2	2	2	E-CAP 2.2 μF	50V CAPA2R250D
	C421,422	2	2	2	2	2	2	2	2	E-CAP 1 μF	50V CAPA105Z1D
	C423,424	2	2	2	2	2	2	2	2	E-CAP 10 μF	50V CAPA106Z1D
	C425,426	2	2	2	2	2	2	2	2	E-CAP 0.1 μF	50V CAPA104Z1D
	C427,428	2	2	2	2	2	2	2	2	E-CAP 220 μF	25V CAPA227D6D
	C429,430	2	2	2	2	2	2	2	2	E-CAP 220 μF	25V CAPA227D6D
	C431	1	1	1	1	1	1	1	1	E-CAP 2.2 μF	50V CAPA2R250D
	C432,433	-	-	-	-	2	2	2	2	C-CAP 560 pF	50V CAPB56107E
	C434	-	-	-	-	1	1	1	1	C-CAP 0.1 μF	25V CAPZ01J11F
	R401,402	2	2	2	2	2	2	2	2	RES 1.8k OHM 1/4W	RES18203E
	R403,404	2	2	2	2	2	2	2	2	RES 220k OHM 1/4W	RES22403E
	R405 - 408	4	4	4	4	4	4	4	4	RES 5.6k OHM 1/4W	RES56203E
	R409,410	2	2	2	2	2	2	2	2	RES 1.8k OHM 1/4W	RES18203E
	R411,412	2	2	2	2	2	2	2	2	RES 470 OHM 1/4W	RES47103E
	R413,414	2	2	2	2	2	2	2	2	RES 470k OHM 1/4W	RES14704E
	R415,416	2	2	2	2	2	2	2	2	RES 1M OHM 1/4W	RES10003E
	R417,418	2	2	2	2	2	2	2	2	RES 470k OHM 1/4W	RES14704E
	R419,420	2	2	2	2	2	2	2	2	RES 5.6k OHM 1/4W	RES56203E
	R421,422	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES14703E
	R423,424	2	2	2	2	2	2	2	2	RES 470k OHM 1/4W	RES14704E
	R425 - 428	4	4	4	4	4	4	4	4	RES 13k OHM 1/4W	RES13303E
	R429,430	2	2	2	2	2	2	2	2	RES 15k OHM 1/4W	RES15303E
	R431,432	2	2	2	2	2	2	2	2	RES 33k OHM 1/4W	RES33203E
	R433,434	2	2	2	2	2	2	2	2	RES 15k OHM 1/4W	RES15303E
	R435,436	2	2	2	2	2	2	2	2	RES 1.8k OHM 1/4W	RES18203E
	R437,438	2	2	2	2	2	2	2	2	RES 6.8k OHM 1/4W	RES68204E
	R439 - 441	4	4	4	4	4	4	4	4	RES 15k OHM 1/4W	RES15303E
	R442	1	1	1	1	1	1	1	1	RES 100k OHM 1/4W	RES11043E
	R443	1	1	1	1	1	1	1	1	RES 15k OHM 1/4W	RES15303E
	R447	1	1	1	1	1	1	1	1	RES 100k OHM 1/4W	RES11043E
	RA401	1	1	1	1	1	1	1	1	RES NETWORK 4.7k×4 1/8W	RES04720I2
	VR401,402	2	2	2	2	2	2	2	2	VR 20K B×2	VRE2203B01
	VR403	1	1	1	1	1	1	1	1	VR SOK M×2	VRE5003M01
	VR404	1	1	1	1	1	1	1	1	VR 50K B×2	VRE5003A03

PARTS ORDERING PROCEDURE .... DO NOT USE THE "REFERENCE" number and "SYMBOL" number, (these are control numbers for the factory only.)
Include in any order: a. Part number, b. Part description, c. Model number. (any of the above lacking from an order may delay shipment of the order.)

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
	<< FUNCTION PCB SECTION >>										
		1	1	1	1	1	1	1	1	GND PLATE	PRS7040T0
IC301,302		2	2	2	2	2	2	2	2	IC LB1245	ICT0412
IC303 ~ 314		12	12	12	12	12	12	12	12	IC LC4966	ICT0413
IC315		1	1	1	1	1	1	1	1	IC μPC4570HA	ICT0312
Q301,302		2	2	2	2	2	2	2	2	TR 2SC3327 (A,B)	TRNC3027
Q306 ~ 308		4	4	4	4	4	4	4	4	TR 2SA881 (F,E)	TRNA881
Q307 ~ 310		4	4	4	4	4	4	4	4	TR 2SC3327 (A,6)	TRNC3027
Q311		1	1	1	1	1	1	1	1	DTR DTA144E*	TRNZA144EF
Q312		1	1	1	1	1	1	1	1	TR 2SA881 (R,G)	TRNA881
Q313,314		2	2	2	2	2	2	2	2	DTR DTA144EF	TRNZA144EF
Q315 ~ 317		3	3	3	3	3	3	3	3	DTR DTC123EF	TRNDC123EF
D301,302		2	2	2	2	2	2	2	2	DI GMA01	DIS90023
D305,306		2	2	2	2	2	2	2	2	DI GMA01	DIS90023
L301,302		2	2	2	2	2	2	2	2	INDUCTOR 180 μH	CILA1810K
C311,318		2	2	2	2	2	2	2	2	C-CAP 560 pF 50V	CAPSB5610G
C321 ~ 330		10	10	10	10	10	10	10	10	C-CAP 560 pF 50V	CAPSB5610G
C331,332		2	2	2	2	2	2	2	2	S-CAP 0 μF 50V	CAPA10521G
C333,334		2	2	2	2	2	2	2	2	C-CAP 0.0022μF 50V	CAPB22202G
C335,336		2	2	2	2	2	2	2	2	E-CAP 2200 μF 10V	CAPA22065D
C337,338		2	2	2	2	2	2	2	2	M-CAP 0.039 μF 50V	CAPE39201D
C339,340		2	2	2	2	2	2	2	2	M-CAP 0.01 μF 50V	CAPC10365D
C341,342		2	2	2	2	2	2	2	2	M-CAP 0.001 μF 50V	CAPC10253D
C343,344		2	2	2	2	2	2	2	2	E-CAP 1 μF 50V	CAPA10058D
C345,346		2	2	2	2	2	2	2	2	C-CAP 100 pF 50V	CAPB10108G
C347,348		2	2	2	2	2	2	2	2	E-CAP 1000 μF 16V	CAPA10810D
C349		1	1	1	1	1	1	1	1	E-CAP 47 μF 25V	CAPA4761AD
C352,353		2	2	2	2	2	2	2	2	C-CAP 0.022 μF 25V	CAPB2203H
C354		1	1	1	1	1	1	1	1	E-CAP 2200 μF 10V	CAPA22065D
C357,358		-	-	-	-	2	2	2	2	C-CAP 0.1 μF 25V	CAPB1043H
R312,318		2	2	2	2	2	2	2	2	RES 10 OHM 1/4W	RES1100016
R319,320		2	2	2	2	2	2	2	2	RES 560 OHM 1/4W	RES1561022
R321 ~ 328		8	8	8	8	8	8	8	8	RES 10 OHM 1/4W	RES1100016
R331,332		2	2	2	2	2	2	2	2	RES 100k OHM 1/16W	RES1136065
R333,334		2	2	2	2	2	2	2	2	RES 100 OHM 1/8W	RES1101618
R335,336		2	2	2	2	2	2	2	2	RES 91k OHM 1/8W	RES1913628
R337 ~ 346		4	4	4	4	4	4	4	4	RES 6.8k OHM 1/8W	RES1682228
R347,348		2	2	2	2	2	2	2	2	RES 100 OHM 1/4W	RES1101018
R349,350		2	2	2	2	2	2	2	2	RES 4.7k OHM 1/4W	RES1472028
R351,352		2	2	2	2	2	2	2	2	RES 2.2k OHM 1/6W	RES1322038
R353,354		2	2	2	2	2	2	2	2	RES 82k OHM 1/6W	RES1823038
R355,356		2	2	2	2	2	2	2	2	RES 6.8k OHM 1/6W	RES1682028
R357,358		2	2	2	2	2	2	2	2	RES 150 OHM 1/6W	RES1151018
R359,360		2	2	2	2	2	2	2	2	RES 470 OHM 1/6W	RES1471038
R361,362		2	2	2	2	2	2	2	2	RES 4.7k OHM 1/6W	RES1472008
R363,364		2	2	2	2	2	2	2	2	RES 47K OHM 1/6W	RES1473028
R365 ~ 370		6	6	6	6	6	6	6	6	RES 100k OHM 1/6W	RES1104068
R371,372		2	2	2	2	2	2	2	2	FP-RES 100 OHM 1/4W	RESD10101A
R373		1	1	1	1	1	1	1	1	RES 10k OHM 1/6W	RES1103038
R374		1	1	1	1	1	1	1	1	RES 1k OHM 1/6W	RES1102038
R377		1	1	1	1	1	1	1	1	FP-RES 56 OHM 1/4W	RESD56001A
R378		1	1	1	1	1	1	1	1	RES 4.7k OHM 1/4W	RES1472008
R379		1	1	1	1	1	1	1	1	RES 100k OHM 1/4W	RES1104068
R380,381		2	2	2	2	2	2	2	2	RES 4.7k OHM 1/6W	RES1472038
CN304,305		2	2	3	2	2	2	3	2	4P PIN JACK	SKT0219
CN306		1	1	1	1	1	1	1	1	6P PIN JACK	SKT0218
CN331		1	1	1	1	1	1	1	1	CONNECTOR HBRN135-1	SKT0234
CN332		1	1	1	1	1	1	1	1	CONNECTOR CJP3310-0101	SKT0223
CN333		1	1	1	1	1	1	1	1	CONNECTOR CJP3108-0101	SKT0188
CN334,335		2	2	2	2	2	2	2	2	CONNECTOR CJP3108-0101	SKT0222
	<< RCA PCB SECTION >>										
CN301		1	1	1	1	-	-	-	-	4P PIN JACK	SKT0219
CN301		-	-	-	-	1	1	1	1	3P PIN JACK	SKT0229
CN302,303		2	2	2	2	2	2	2	2	6P PIN JACK	SKT0218
C301,302		2	2	2	2	2	2	2	2	C-CAP 560 pF 50V	CAPB5610G
C305,306		2	2	2	2	-	-	-	-	C-CAP 560 pF 50V	CAPB5610G
C305 ~ 308		-	-	-	-	4	4	4	4	C-CAP 560 pF 50V	CAPB5610G
C311,312		2	2	2	2	2	2	2	2	C-CAP 560 pF 50V	CAPB5610G
C313,314		2	2	2	2	2	2	2	2	C-CAP 560 pF 50V	CAPB5610G
R301,302		2	2	2	2	2	2	2	2	RES 10 OHM 1/4W	RES1100036
R303,304		2	2	2	2	-	-	-	-	RES 10 OHM 1/4W	RES1100036
R305 ~ 316		12	12	12	12	12	12	12	12	RES 10 OHM 1/4W	RES1100036
	<< PHONE PCB SECTION >>										
CN501		1	1	1	1	1	1	1	1	PHONE JACK	SKT0052
LED PCB ASSEMBLY											
		1	1	1	1	1	1	1	1	LED PCB	PCB0348AM
D338 ~ 341		4	4	4	4	4	4	4	4	LED GL3PG43	DIOQ0066

SCREWS, WASHER LIST

REF NO.	DESCRIPTION	PARTS NO.
*1	Binding head screw B 3x6	BIS6K06001
*2	Binding head screw B 3x8	BIS6K08008
*3	Binding head screw B 3x10	BIS6K10001
*4	Binding head screw B 3x12	BIS6K12001
*5	SW head screw B 4x8	BIS7M08012
*6	Binding head machine screw 3x6	BIS6K06012
*7	Countersunk head screw S 3x8	BIS2K08004
*8	Countersunk head machine screw 2.6x6	BIS2J06002
*8	Countersunk head machine screw 3x6	BIS2K06001
*10	Countersunk head machine screw 3x10	BIS2K10003
*11	Brazier head screw B 3x12	BIS7K12003
*12	Brazier head screw S 4x8	BIS7M08015